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FIG. 1.



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410 GLEPEPOTLFEIVFOLLNFESEGVFESSLIQGMRDVIGAATANONYFRAACMDTIAVNYY Cng3BFL.pro
 368 ETPPPVVDDEEYLIVVVDFIVGVLLIFATIVGNVSMISNMNRAEFOAKEDSITKQYMQFER CNGA3.pro
 365 ETPPPVVDSEYVVVVDFIVGVLLIFATIVGNIGSMISNMNRAEFOARDAIKQYMHFER CNGA1.pro

470 SIPRLVQKRVVRTWYEYIIDSQRMILDESDIJKRITPTTVQLAIAIDVNESIISKVDLFGCD Cng3BFL.pro
 428 KVKDIEIRVIRWFYLMANKKTVDEKEVLKSLPDKLKAETIAINVHDLTKVRIEFDCE CNGA3.pro
 425 NYSKDMEKRVIRWDFYLMTRKRTVDEKEVLKYL PDKJRAEIAINVHDLRKVRIEADCE CNGA1.pro

530 TQMIYDMLDGFJKSVIILPGDEVCKKGEGIJKEMYIJKHGEVQVLLGGPDGTTKVLVIIKAGSV Cng3BFL.pro
 488 AGLLVELVVKLIRPTVESPGDYICKKGEMYIINEGKLAIVVAD-DGVTQFVVLSDGSY CNGA3.pro
 485 AGLLVELVVKIQQVYSPGDIYICKKGDIGREMYIIKEGKLAIVVAD-DGVTQFVVLSDGSY CNGA1.pro

590 FGEISIILPAGG--GNRTANVVAHGEANILIDFRKTIQEI[VHYPDSERITMKRARI-VI] Cng3BFL.pro
 547 FGEISIILNIKGSKSGNRTANIRSIGYSDLFCLSKDDIMEALTEYYPARKALEEKGRQIL CNGA3.pro
 544 FGEISIILNIKGSKAGNRTANISIGYSDLFCLSKDDIMEALTEYYPDAKTMLEEKGRQIL CNGA1.pro

646 IROKAKATAEATPPRKDLALLFPKEETFLFRFLGGTGRASLARLKLKREQAAQKKEN Cng3BFL.pro
 607 MKDNTIDEEIARAGAD--PKDLEEKV--EQLGSSLDLQTRFARLT----- CNGA3.pro
 604 MKDGLDNLNAGSD--PKDLEEKV--TRMEGSVLDLQTRFARLT----- CNGA1.pro

706 SEGGEEGKENEDKQKENEDKGRENEDDKGRENEDDKGREPEEKPLDRPECTASPIAVEE Cng3BFL.pro
 649 -----AEYNTATMRFQRTISQLESQVKGGDK-----PLADGE CNGA3.pro
 646 -----AEYESM00KIKQRTITKVEKELKPLID-----EFSSIE CNGA1.pro

766 EPHSVRRTVLPRGTSRQSLIISMAPSAEGGEVLTIEVKEKAKO Cng3BFL.pro
 682 V-----GDATAKTED-----KQO CNGA3.pro
 679 G-----GAESGPID-----ST. CNGA1.pro

FIG. 1. (CONTINUED)



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CCATCCTAATACGACTCACTATAGGGCTCGAGCGCCGGCCGGCATTCTACCTTAAGGCACAGTCATA
AATACAGAGGGTTTCAGAACCTCAGAGAAGATGTTAAATCGCTGACAAAAGTCACAAAGGTGAAGCCTATAG
GAGAGAACAAATGAGAATGACAAGTTCTCGGAAGGCTCACCCAAAGTAATCAGTCTCAGCAAACCC
ACAGGCACAGGAAGAAAACAAGGTGAAGAGAAATCTCTCAAACCAAGTCACACTCCAGTCACGTCAAGAGGCCACA
CACCAACATACAAGACAAACTCTCCAAAGAAAATTCCCTCTGGAGATCTGACCAAAACCTGACCCCTCAAATGCAG
CAGAACCAACTGGAACACAGTGCCAGAGCAGAACAGGAATGGACCCGGAAAAGAACAGGGCCAAACAGCCCACAAAACAAA
CCGCCTGCAGGCTCCGTATAATGAGTATGCCGATGCCGCTACACAACCTGGTGAAGAATGCGTCAAAGAAC
AGCCCTCTACAAGAAAAGTTGGTAGAGGGAGATCTCTCCCTCACCCGAAGGCCAACAAACTGCAAAGGCCACGG
CTGTACCAACCAGTAAGGAAGAACAGCGATGATAAGCCAACAGAACATTACTACAGGCTGTTGGTTCAAAGTCAAAAG
ATGCCTTAAACAGAGTACTAAAGGAATTAAACTCCAAACAGCATAGATTACACAGATGGACTCTATCTCCCT
GTGGCTCTGCTGTCACTCTGCCTATAACTGGAAACTGCTGGTTTATACCACTGGCCCTCGTCTCCATATCAA
CCGCAGACAAACATACACTACTGGCTTATGGGACATCATATGATATCATCTACCTTATGATATGCTTATTTATC
CAGCCCCAGACTCCAGTTGTAAGAGGAGGACATAATACTGGATTCAAATGAGCTAACACTACAGGACTTC
TACAAAATTTCAGTGGATGTCGCATCAAATAACCAATTGCTACCTCTGGTTAACCAATGT

FIG. 2.



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TAGAGCAAATAGGATGTTAAAGTACACTCATTGAAATTAGTAAATCACCCTAGAGTCTATAATGGACAAAGCA
TATATCTACAGAGTATTGAAACAACCTGGATACTGGTATTCTGCACATTAAATGCCTGTGTTATTACTGGGC
TCAAACATGAAGGAATTGGCACTACTAGATGGGTATGATGGGAAGGAAACGAGTATCTGAGATGTTATTATT
GGCAGTTGAACTTAATTACCATGGAGTTTGTGTTCCAGTTAATTGGTCAGATGAGAGATGTGATGGAGCAGCTACAGCCAA
AATTTTTTCTGGAGTTTGTGTTCCAGTTAATTGGTCAGATGAGAGATGTGATGGAGCAGCTACAGCCAA
TCAGAACTACTTCCGGCCTGCAATGGATGACACCATTGCCTACATGAACAATTACTCCATTCTAAACTTGTGCAAA
AGCGAGTTGGACTTGGTATGAAATAACATGGGACTCTCAAAGAAATGCTAGATGAGTGTGATTGCTTAAGACCCCTA
CCAACATACGGTCCAGTTAGGCCATTGATGTAACCTCAGCATCATCAGCAAAGTCGACTTGTGTTCAAGGGTTG
TGATACACAGATGATTATGACATGTTGCTAAGATGAAATCCGTTCTATTGCTGGTACTTGTCTGCAAA
AGGAGAAATTGGCAAGGAATGTATATCATCAAGCATGGAGAAGTCCAAGTTGTGAGGGCCCTGATGGTACTAA
GTTCTGGTTACTCTGAAAGCTGGGTGGTGGAAATCAGCCTCTAGCAGCAGGGAGGAAACCGCTCGAAC
TCCAATGTTGGCCCCACGGTTGCCAATCTTAGACAAAAAGACCCCTCAGAAATTCTAGTGCAT
ATCCAGATTCTGAAAGGATCCTCATGAAGAAAGCCAGAGTGTGCTTTAAAGCAGAAGGCTAAGACCCGAGAAC
CCTCCAAAGAAAAGATCTTGCCTCCCTCTTCCACCGAAAGAGACACCCAAACTGTTAAACTCTCCTAGGAGG

FIG. 2. (CONTINUED)



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CACAGGAAAGCAAGTCTTCAAGACTACTCAAATTGAAGCGAGGCAAGCAGCTCAGAAGAAAGAAAATTCTGAAG
GAGGAGAGAAAGAAAGAAAATTGAAGATAAACAAAAGAAAATGAAGATAAACAAAAGAAAATGAAGATAAA
GGAAAAGAAAATGAAGATAAACAGAGAGAGAGCCAGAAGAGAAGCCACTGGACAGACCTGAATGTACAGCAAG
TCCTATTGCAGTGGAGGAAGAACCCCACTCAGTTAGAAGGCACAGTTTACCCAGGGGACTTCTCGTCAATCACTCA
TTATCAGCATGGCTTCTTGCTGAGGGGGAGAGAGGTCTTACTATTGAAGTCAAAGAAAAGGCTAACGAAATAA
ATGTTGATTATCTTGTGATATAGCTAGTTCCAAAGTGATTGTACCTAGGATTGTAACCTAACGAG
GGGAAACGACATGCTGGACCCCTTGAGAAACGAAAGGCAAATCCCTAGCTTAGTTCTAGGACTATCTGAGAGTGT
GATTTCATGGCAGTGGTAATAAGAAGATTAAAAGCAAAAAAAAGCAAAAAAA

FIG. 2. (CONTINUED)



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ATGTTAACATCGCTGACAAAGTCACAAAGGTGAAAGCCTATAGGAGAGAACAAATGAGAATGAAACAAGTTCTCGTGGAA
TGAAGAAGGCTCTCACCCAAAGTAATCAGTCTAGCAAAACCACAGCACAGGAAGAAAACAAGAGAAATCTCTCA
AAACCAAGTCAACTCCAGTCACGTCTGAAGAGGCCACACACCAACATAAGACAAAACACTCCAAGAAAATTCCCTCTGGA
GATCTGACCAAAACCCCTGACCCCTCAAAATGCAGCAGAACCAACTGGAAACAGTGGCAGAGGCCAGAGGAATGGACCCGG
GAAAGAAGGTCACAAACAGCCACAAACAAACCCCTGCAGCTCCCTGTATAAATGAGTATGCCGATGCCAGCCTACACA
ACCTGGTGAAGAAAGAACAGCCCTCTACAAGAAAAGTGGTAGAGGGAGATCTCCTCACCCGAAGCC
AGCCCCACAAACTGCAAAGCCACGGCTGTACCCAGTAAAGGAAGCGATGATAAGCCAACAGAACATTACTACAGGCT
GTTGGTTCAAAAGTCAAAGATGCCCTTAACAGAGTTAACAGAGTACTAAAGGAAATTAAACTTCCAAACAGCATAGATTCATA
CAGATCGACTCTATCCTGTTGCTCTTGCTGACTTGCCTATAACTGGAAACTGCTGGTTATACCAACTGCCCTC
GTCTTCCCATATCAACCGCAGACACATAACTACTGGCTTATTGGGACATCATATGTGATAATCATCTACCTTATGA
TATGGCTATTATCCAGCCCCAGACTCCAGTTGTAAGAGGGAGACATAATAGTGGATTCAAATGAGCTAAGGAAACACT
ACAGGACTTCTACAAAAATTCACTTCACTTCAATAATACCATTTGATATTGGCTACCTCTTGGTTTAAT
CCAATGTTAGAGCAAATAGGATGTTAAAGTACACTTCATTGGAAATTAAATCATCACCTAGAGTCTATAATGGACAA
AGCATATCTACAGAGTTATTGAAACAACTGGGATACTTGCTGTTTATCTGCACATTAAATGCCCTGTGTTTATTACTGGG

FIG. 3.



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CTTCAAACTATGAAGGAATTGGCACACTAGATGGGTATGATGGGAAGGAAACGGAGTATCTGAGATGTTATTATTGG
GCAGTTGAACTTAATTACCATGGTGGCCCTCCAGAACCAAACTTATTGAAATTGTTTCAACTCTTGAATT
TTTTCTGGAGTTTGTCTCCAGTTAATTGGTCAGATGAGAGATGTGATTGGAGCTACAGCCAATCAGAACT
ACTTCCGGCCCTGCATGGATGACACCATGGCCTACATGAACAAATTACTCCATTAAACTTGTGCAAAAGCGAGTTCGG
ACTTGGTATGAATAACATGGACTCTCAAGAAATGCTAGATGAGTCTGATTGCTTAAGACCCCTACGGTCCA
GTAGCCCTGCCATTGTAACCTCAGCATCATCAGCAAAGTCGACTTGTCAAGGGTTGTGATAACACAGATGATT
ATGACATGTTGCTAAGATTGAAATCCGTTCTCTATTGCCCTGACTTTGTTGACTTGTCTGCAAAAAGGGAGAAATTGGCAAGGAA
ATGTATATCATCAAGCATGGAGAAGTCCAAGTTCTGGAGGCCCTGATGGTACTAAAGTTCTGGTTACTCTGAAAGCTGG
GTCGGTGTGGAGAAATCAGCCTCTAGCAGCAGGAGGAAACCGTCGAACACTGCCAATGTGGTGGCCACGGGTTG
CCAATCTTAACTCTAGACAAAAGACCCCTCCAAGAAATTCTAGTGCATTATCCAGATCTGAAAGGATCCTCATGAAG
AAAGCCAGAGTGCTTTAAAGCAGAAGGCTAAGACCCGAGAACCCCTCCAAGAAAAGATCTTGCCTCCTCTCCC
ACCGAAAGAAGAGACACCCAAACTGTTAAAACACTCCTAGGAGGGCACAGGAAAAGCAAGTCTTGCAGACTACTCAAAT
TGAAGCGAGCAAGCAGCTCAGAAGAAAGAAAATTCTGAAGGGAGGAGAGGAAGGAAAGAAAATGAAGATAAAACAA
AAAGAAAATGAAGATAAAACAAAAGAAAATGAAGATAAAAGATAAAAGATAAAAGGAGAGGAGGCCAGA

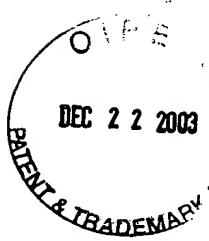
FIG. 3. (CONTINUED)



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AGAGAAGCCACTGGACAGACCTGAAATGTACAGCAAGTCCTATGGCAGTGGAGGAAGAACCCCACTCAGTTAGAAGGACAG
TTTACCCAGGGACTTCTCGTCAATCACTCATTACGATGGCTCCTTCTGCTGAGGGCGGAGAAGAGGTTCTTACT
ATTGAAGTCAAAGAAAAGGCTAAGCAATAA

FIG. 3. (CONTINUED)



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MEKSLTKVUNKVKPIGENNEQSSRRNEEGSHPSNQSOQTTAQEEENKGEKSLKTSTSPTVTS

EFPHTNIQDKLSSKKNSSGDLTTNPDQNAAEPTGTVEQKEMDPGKEGPNSPQNKPAAAPVIT

NEYADAQLHNLVKRMQRQRTALYKKKLVEGDLSSPEASPTAKPTAVPPVKESSDKPTEHYYR

LIWEKVKKMPLTTEYLKRIKLPNSIDSYTDRLLYLLWLLVTLAYNWNWCWFIFPLRLVFPYQOTAD

NIHYWLIADIICDIIYLYDMLFIFIQPRQLQFVRGGDILIVDSNELRKHYRTSTKFQLDVASIIPF

DICYLFFGFNPMFRANFMLKYTSFFEFNHLESIMDKAYIYVIRTTGYLLFILHINACVYY

WASNYEGIGTTRWVYDGEENGEYLRCYYWAVRTLITIGGLPEPOTLFEIVFQILNFFSGVFV

SSLIGQMRDVIGAAATANQNYFRACMDDTIAYMNNYSIPKLVQKRVRTWYEYTWDQSQRMIDES

DILKTLEPTVQLALAIDVNFSIISKVVDLFKGCDTQMIYDMILLRILKSVLYLPGDFVCKGEIG

KEMYIIKHGEVQVLGGPDGTKVLUVTLKAGSVFGEIISLLAAGGGNRRTANVVAHGFANLLTD

KKTLQEILVHYPDSERILMKKARVLLQKAKTAEATPRKDLALLFPPEETPKLFKTLLGG

TGKASLARILKREQAQKKENSEGGEEEGKENEDKQKENEDKQKENEDKQKENEDKQKENEDKQGR

EPEEKPLDRPECTASPIAVEEEEPSVRRRTVLPRGTSRQSLIISMAPSAEGGEEVLTIEVKEK

AKQ

FIG. 4.